NGDA Lifecycle Maturity Assessment (LMA) Training

June 2015

Agenda

- ◆ Introductions
- ◆ Background
- ◆ Purpose
- ◆ Process and Timeline
- ◆ Survey Overview
- ◆ User Functionality
- ◆ Feedback
- ◆ Help
- ◆ Next Steps

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Introductions

◆ **NGDA LMA Development Team**

- Jennifer Carlino (FGDC Office of the Secretariat)
- Lorri Peltz-Lewis (US Forest Service)
- Wendy Blake-Coleman (EPA)
- Lauren Privette (FGDC GeoPlatform Support Team)
- Leah Schwizer (FGDC PMO Support Team)
- Lynda Liptrap (Census)
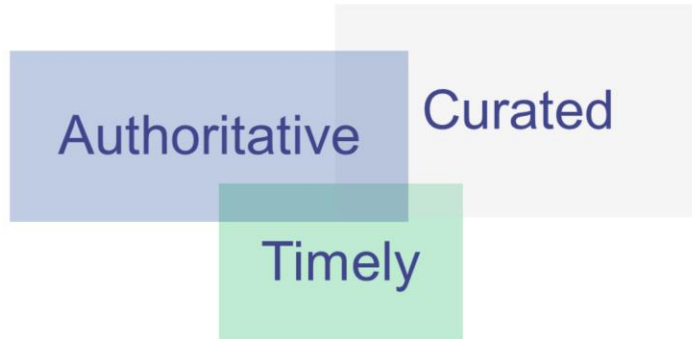- Anne O'Connor (Census)

◆ **NGDA LMA Interagency Team**

- NGDA LMA Development Team
- Mark Hellfritz (Census)
- Anne Ball (NOAA)
- Dan Kowal (NOAA)
- Anna Milan (NOAA)
- Karen Hanson (USGS)
- Butch Lazorchak (Library of Congress)
- Brigitta Urban-Mathieux (FGDC OS)
- Jim Irvine (FGDC PMO Support Team)
- *And multiple reviewers! Thank you!*

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Background – What are we hearing?

◆ Make Geospatial Data…

Authoritative

Curated

Timely

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Background - Continued

- Key Initiatives, Directives, and Guidance
  - **OMB A-16** Focus on geospatial data as a capital asset investments and providing the foundation for a portfolio management approach to a National Geospatial Data Asset (NGDA) Portfolio
  - **NSDI Strategic Plan** Action 2.1.3: Finalize and implement the Circular A–16 Portfolio Implementation Plan
  - **NGDA Management Plan** Action 1D.1: Develop NGDA Dataset Maturity Annual Assessment Survey, Tool, and Training

- Why a Maturity Assessment?
  - Enables a clearer picture of strengths and weaknesses within each NGDA
  - Provides managers the ability to support NGDAs in a more holistic manner
  - Provides opportunities to allocate resources to improve the overall health of the A-16 portfolio
  - Informs decision makers and updates stakeholders on the maturity of the NGDAs and overall portfolio
  - Assists with collaboration for theme strategic plans and theme goals.
  - Improves the reporting flow as well as consistency and transparency of information

OMB A-16: https://www.whitehouse.gov/omb/circulars_a016/; Revised: https://www.whitehouse.gov/omb/circulars_a016_rev/

NSDI Strategic Plan: http://www.fgdc.gov/nsdi-plan

NGDA Management Plan: https://www.fgdc.gov/policyandplanning/a-16/ngda-management-plan

Based on the A-16 Circular premise: *"...portfolio management approach includes both a multi-year dimension premised on continual improvements and annual reporting on implementation progress. NGDA Portfolio management consists of the inventory, selection, organization, management, evaluation, monitoring, and setting of Federal geospatial dataset priorities to ensure that NGDA Datasets are available to support the mission needs of the Federal Government and its partners..."*

Background – Understanding the Assessment

◆ NGDAs

- Circular A–16 Supplemental Guidance defined geospatial assets that require capital investment throughout their life cycle and codified a process by which they were expected to be managed
- Approximately 192 datasets were designated as NGDAs in 2014 which are the focus of this Lifecycle Maturity Assessment (LMA)
- All NGDAs must undergo a baseline maturity assessment by September 30, 2015
- Designated by meeting at least one of the following criteria: Used by multiple agencies or with agency partners; Applied to achieve Presidential priorities as expressed by OMB; Required to meet shared mission goals of multiple Federal agencies; or Expressly required by statutory mandate.

◆ NGDA Lifecycle Management Assessment

- Based on the seven stage lifecycle management process outlined in the OMB Circular A-16 supplemental guidance (2010)
- Assessment is based on 19 benchmarks, consists of 19 questions each having a series of metrics that determine the maturity for each lifecycle stage and collectively as a whole
- The NGDA LMA Development Team transformed the survey into an automated tool to facilitate assessments and enable dashboard reporting

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Background – Understanding Key Roles

- ◆ Dataset Managers
  - Provide coordination and standards for NGDA Datasets at a national level
  - Responsible for inputting information into the LMA, along with assistance from Data Stewards
  - Assess the NGDA with respect to the benchmarks associated with each phase of the lifecycle and note areas needing improvement (as appropriate)
  - Manage the planning, O&M, and evolution of an NGDA
  - Engage with stakeholders to ensure stewardship occurs and requirements are met
  - Develop annual NGDA work/management plans reflecting the initial baseline results and subsequent assessments
  - Communicate resources needs with the Theme Leads, Executive Champions, and SAOGIs

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Background – Understanding Key Roles

◆ Theme Leads

- Provide interdepartmental leadership and coordination of NGDAs within a specified Theme
- Coordinate information with Dataset Managers and integrate individual Datasets at the Theme level
- Ascertain overall maturity of themes based on NGDA LMA results
- Set strategic direction for the theme
- Promote collaboration within Dataset Managers as well as other themes as appropriate
- Communicate resources needs with the Executive Champions, SAOGIs, and FGDC Steering Committee

◆ FGDC Office of the Secretariat

- Responsible for the overall A-16 NGDA Portfolio Management
- Assist in coordinating efforts and providing help to Dataset Managers and Theme Leads for completing the LMA

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Purpose

- NGDA baseline will provide:
    - Users with curated datasets
        - Increased transparency with maturity metrics on the geospatial platform
        - Greater customer confidence for data reliability and timeliness
        - Ability to gage readiness for use with services and apps
    - Dataset owners a road map
        - Identification of strengths and gaps to help set priorities
        - Tools for executive managers and champions for acquiring resources
    - NSDI Communities/FGDC SC basis for more informed decisions
        - Consistent approach for communicating about dataset and theme maturity
        - Tool within and across themes for identifying and targeting joint opportunities
        - Allows more holistic assessment when setting government priorities
        - Enables assessment of when the NSDI is "done" and/or "mature"
        - Enhances ability to answer queries from OMB, Congress, SES, etc.

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Purpose - Automated Tool

- Developed to simplify the assessment process
- Provides numerous benefits for users and managers:
    - Easy and continuous access, via the GeoPlatform, alleviating the need to manage separate e-mails and documents
    - Better accounting and database management with ability for automated reporting
    - Online data storage and tracking of the NGDA lifecycle over time
- Will be a future source of input for annual NGDA and Theme reports

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Process and Timeline

- ◆ How the NGDA LMA was created…
    - ▪ Established a small team to lead development
    - ▪ Requirements were documented, assessed, and prioritized
    - ▪ Weekly meetings were held to discuss development status
    - ▪ Feedback loop was implemented to review and improve survey
    - ▪ Worked across a larger Interagency team to vet Maturity Matrix questions and calculations
    - ▪ Began 2 week beta testing (mid-May)
    - ▪ Invitations with tokens will be sent to Dataset Managers today to begin assessment

○ Meetings	▲ Interim Deliverables	⭐ Original Due Date	⭐ Milestone, Deliverable and/or IOC Capability

Anticipated Timeline
Sustainment
Dependencies
Less Known Timeline

June 15	June 30	July 15	July 31	Aug 15	Aug 31	Sept 15	Sept 30

Survey Development/Tool Development

⭐—○—▶▲ Training Materials Development   Data Set Managers Participate in LMA Completion of 180+ Datasets

Getting Started

◆ Word document developed as a template to input responses then easily **Cut-n-Paste** into the online survey

Overview

◆ Question Index for easy navigation across all 7 stages (only 19 questions!)

◆ Resources and additional instruction for each question

- Reference links and documentation
- Clarifying Statement examples
- Justification Comments

Clarifying statement - example actions may include: Stewards are included as part of stakeholders; partners/stakeholders for the dataset are identified at all levels (i.e. - local, regional, national, etc.); partners/stakeholders are involved and supporting the dataset; roles and responsibilities of partners/stakeholders are defined; etc.

References as they pertain to Stage 1 Define/Plan: Transparency and Open Government, Controlled Unclassified Information EO 13556, Personally Identifiable Information, NIST Special Publication 800-122 and OMB Circular A-16 Supplemental Guidance (pages 31-32).

REQUIRED: Please provide a comment that justifies your selection above.
Text Limit: 3500 characters (including spaces)
Justification Comment – provide supporting statements justifying metric selection, where appropriate provide links to web documentation or upload a file. If not applicable identify sensitivity (PII, CUI, etc.) requirements.

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